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(54) **METHOD FOR REFORMING ORGANICS
INTO SHORTER-CHAIN UNSATURATED
ORGANIC COMPOUNDS**

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C07C 4/02**

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585/637; 585/638; 585/648; 585/650; 585/653;
585/912; 585/942; 585/943; 208/126; 208/404;
208/405; 208/406; 588/201**

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208/402, 403, 404, 406, 405, 126; 585/241,
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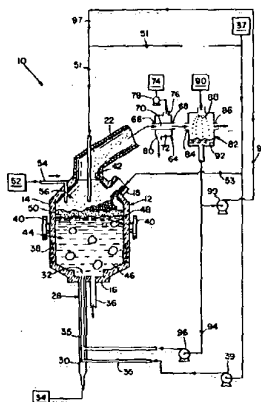
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(57) **ABSTRACT**

A method is disclosed for reforming organics into shorter-
chain unsaturated organic compounds. A molten metal bath
is provided which can cause homolytic cleavage of an
organic component of an organic-containing feed. The feed
is directed into the molten metal bath at a rate which causes
partial homolytic cleavage of an organic component of the
feed. Conditions are established and maintained in the
reactor to cause partial homolytic cleavage of the organic
component to produce unsaturated organic compounds, as
products of the homolytic cleavage, which are discharged
from the molten metal bath.

17 Claims, 1 Drawing Sheet



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